

| | Type | Hits | Search Text |
|---|------|-------|--|
| 1 | BRS | 1 | 6109727.pn. |
| 2 | BRS | 1066 | ((chip or substrate) with (reinforce or reinforcing or reinforcement or strengthen or strengthening) with (metal or metallic)) |
| 3 | BRS | 45494 | 347/\$.ccls. |
| 4 | BRS | 19 | ((chip or substrate) with (reinforce or reinforcing or reinforcement or strengthen or strengthening) with (metal or metallic)) and 347/\$.ccls. |
| 5 | BRS | 30233 | ((chip or substrate or board or die) same (reinforce or reinforcing or reinforcement or strengthen or strengthening or stiffen or stiffening or stiff or stiffer or rigid or rigidity) same (metal or metallic or film or coating)) |
| 6 | BRS | 335 | ((chip or substrate or board or die) same (reinforce or reinforcing or reinforcement or strengthen or strengthening or stiffen or stiffening or stiff or stiffer or rigid or rigidity) same (metal or metallic or film or coating)) and 347/\$.ccls. |
| 7 | BRS | 906 | 347/20.cccls. or 347/63.cccls. |
| 8 | BRS | 20 | (347/20.cccls. or 347/63.cccls.) and ((chip or substrate or board or die) same (reinforce or reinforcing or reinforcement or strengthen or strengthening or stiffen or stiffening or stiff or stiffer or rigid or rigidity) same (metal or metallic or film or coating)) |

| | DBs | Time Stamp | Comments | Error Definition |
|---|---|-------------------|-----------------|-------------------------|
| 1 | USPAT | 2002/02/05 09:48 | | |
| 2 | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB | 2002/02/05 12:44 | | |
| 3 | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB | 2002/02/05 09:50 | | |
| 4 | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB | 2002/02/05 09:50 | | |
| 5 | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB | 2002/02/05 10:04 | | |
| 6 | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB | 2002/02/05 10:04 | | |
| 7 | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB | 2002/02/05 10:04 | | |
| 8 | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB | 2002/02/05 10:05 | | |

| | Type | Hits | Search Text |
|----|------|--------|---|
| 9 | BRS | 20 | ((347/20.ccls. or 347/63.ccls.) and ((chip or substrate or board or die) same (reinforce or reinforcing or reinforcement or strengthen or strengthening or stiffen or stiffening or stiff or stiffer or rigid or rigidity) same (metal or metallic or film or coating))) not (((chip or substrate) with (reinforce or reinforcing or reinforcement or strengthen or strengthening) with (metal or metallic)) and 347/\$.ccls.) |
| 10 | BRS | 315 | ((chip or substrate or board or die) same (reinforce or reinforcing or reinforcement or strengthen or strengthening or stiffen or stiffening or stiff or stiffer or rigid or rigidity) same (metal or metallic or film or coating)) and 347/\$.ccls.) not ((347/20.ccls. or 347/63.ccls.) and ((chip or substrate or board or die) same (reinforce or reinforcing or reinforcement or strengthen or strengthening or stiffen or stiffening or stiff or stiffer or rigid or rigidity) same (metal or metallic or film or coating))) not (((chip or substrate) with (reinforce or reinforcing or reinforcement or strengthen or strengthening) with (metal or metallic)) and 347/\$.ccls.)) |
| 11 | BRS | 114849 | (silicon or si) adj (chip or substrate) |
| 12 | BRS | 58 | ((chip or substrate) with (reinforce or reinforcing or reinforcement or strengthen or strengthening) with (metal or metallic)) with (tantalum or ta or chrome or cr or nickel or ni or zirconium or zr or molybdenum or mo or tungsten) |
| 13 | BRS | 8612 | (chip or substrate) with (reinforce or reinforcing or reinforcement or strengthen or strengthening) |
| 14 | BRS | 341171 | 347/\$.ccls. or 428/\$.ccls. or 257/\$.ccls. |

| | DBs | Time Stamp | Comments | Error Definition |
|----|---|-------------------|-----------------|-------------------------|
| 9 | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB | 2002/02/05 10:06 | | |
| 10 | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB | 2002/02/05 10:40 | | |
| 11 | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB | 2002/02/05 10:42 | | |
| 12 | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB | 2002/02/05 10:44 | | |
| 13 | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB | 2002/02/05 13:52 | | |
| 14 | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB | 2002/02/05 13:57 | | |

| | Type | Hits | Search Text |
|----|------|-------|---|
| 15 | BRS | 1789 | ((chip or substrate) with (reinforce or reinforcing or reinforcement or strengthen or strengthening)) and (347/\$.ccls. or 428/\$.ccls. or 257/\$.ccls.) |
| 16 | BRS | 583 | ((chip or substrate) with (reinforce or reinforcing or reinforcement or strengthen or strengthening)) with (back or backside or (back adj side) or rear) |
| 17 | BRS | 111 | (347/\$.ccls. or 428/\$.ccls. or 257/\$.ccls.) and (((chip or substrate) with (reinforce or reinforcing or reinforcement or strengthen or strengthening)) with (back or backside or (back adj side) or rear)) |
| 18 | BRS | 125 | ((chip or substrate) with (reinforce or reinforcing or reinforcement or strengthen or strengthening)) with (back or backside or (back adj side) or rear) with (layer or coating) |
| 19 | BRS | 34 | ((chip or substrate) with (reinforce or reinforcing or reinforcement or strengthen or strengthening)) with (back or backside or (back adj side) or rear) with (layer or coating)) and (347/\$.ccls. or 428/\$.ccls. or 257/\$.ccls.) |
| 20 | BRS | 12967 | (chip or substrate) same (reinforce or reinforcing or reinforcement or strengthen or strengthening) |
| 21 | BRS | 536 | ((chip or substrate) same (reinforce or reinforcing or reinforcement or strengthen or strengthening)) same (back or backside or (back adj side) or rear) same (layer or coating or metal or metallic or metallization) |
| 22 | BRS | 136 | ((chip or substrate) same (reinforce or reinforcing or reinforcement or strengthen or strengthening)) same (back or backside or (back adj side) or rear) same (layer or coating or metal or metallic or metallization)) and (347/\$.ccls. or 428/\$.ccls. or 257/\$.ccls.) |

| | DBs | Time Stamp | Comments | Error Definition |
|----|---|-------------------|-----------------|-------------------------|
| 15 | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB | 2002/02/05 12:45 | | |
| 16 | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB | 2002/02/05 14:01 | | |
| 17 | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB | 2002/02/05 12:47 | | |
| 18 | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB | 2002/02/05 13:15 | | |
| 19 | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB | 2002/02/05 13:08 | | |
| 20 | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB | 2002/02/05 13:15 | | |
| 21 | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB | 2002/02/05 13:47 | | |
| 22 | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB | 2002/02/05 13:18 | | |

| | Errors |
|----|---------------|
| 15 | 0 |
| 16 | 0 |
| 17 | 0 |
| 18 | 0 |
| 19 | 0 |
| 20 | 0 |
| 21 | 0 |
| 22 | 0 |

| | Type | Hits | Search Text |
|----|------|------|--|
| 23 | BRS | 102 | ((((chip or substrate) same (reinforce or reinforcing or reinforcement or strengthen or strengthening)) same (back or backside or (back adj side) or rear) same (layer or coating or metal or metallic or metallization)) and (347/\$.ccls. or 428/\$.ccls. or 257/\$.ccls.)) not (((chip or substrate) with (reinforce or reinforcing or reinforcement or strengthen or strengthening)) with (back or backside or (back adj side) or rear) with (layer or coating)) and (347/\$.ccls. or 428/\$.ccls. or 257/\$.ccls.)) |
| 24 | BRS | 0 | wo-199211654-\$ did. |
| 25 | BRS | 2 | wo-9211654-\$ did. |
| 26 | BRS | 662 | ((chip or substrate) same (reinforce or reinforcing or reinforcement or strengthen or strengthening)) same (back or backside or (back adj side) or rear) same (layer or coating or film or metal or metallic or metallization) |
| 27 | BRS | 126 | ((((chip or substrate) same (reinforce or reinforcing or reinforcement or strengthen or strengthening)) same (back or backside or (back adj side) or rear) same (layer or coating or film or metal or metallic or metallization)) not (((chip or substrate) same (reinforce or reinforcing or reinforcement or strengthen or strengthening)) same (back or backside or (back adj side) or rear) same (layer or coating or metal or metallic or metallization))) |

| | DBs | Time Stamp | Comments | Error Definition |
|----|---|-------------------|-----------------|-------------------------|
| 23 | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB | 2002/02/05 13:28 | | |
| 24 | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB | 2002/02/05 13:29 | | |
| 25 | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB | 2002/02/05 13:29 | | |
| 26 | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB | 2002/02/05 13:49 | | |
| 27 | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB | 2002/02/05 13:49 | | |

| | Type | Hits | Search Text |
|----|------|------|--|
| 28 | BRS | 25 | ((((chip or substrate) same (reinforce or reinforcing or reinforcement or strengthen or strengthening)) same (back or backside or (back adj side) or rear) same (layer or coating or film or metal or metallic or metallization)) not (((chip or substrate) same (reinforce or reinforcing or reinforcement or strengthen or strengthening)) same (back or backside or (back adj side) or rear) same (layer or coating or metal or metallic or metallization))) and (347/\$.ccls. or 428/\$.ccls. or 257/\$.ccls.) |
| 29 | BRS | 533 | (chip or substrate) with (reinforce or reinforcing or reinforcement or strengthen or strengthening)with (metal or metallic or metallization) with (layer or coating or film) |
| 30 | BRS | 124 | ((chip or substrate) with (reinforce or reinforcing or reinforcement or strengthen or strengthening)with (metal or metallic or metallization) with (layer or coating or film)) and (347/\$.ccls. or 428/\$.ccls. or 257/\$.ccls.) |

| | DBs | Time Stamp | Comments | Error Definition |
|----|---|-------------------|-----------------|-------------------------|
| 28 | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB | 2002/02/05 13:52 | | |
| 29 | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB | 2002/02/05 14:06 | | |
| 30 | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB | 2002/02/05 13:54 | | |

| | Type | Hits | Search Text |
|----|------|--------|--|
| 31 | BRS | 118 | ((chip or substrate) with (reinforce or reinforcing or reinforcement or strengthen or strengthening)with (metal or metallic or metallization) with (layer or coating or film)) and (347/\$.ccls. or 428/\$.ccls. or 257/\$.ccls.) not (((((chip or substrate) same (reinforce or reinforcing or reinforcement or strengthen or strengthening)) same (back or backside or (back adj side) or rear) same (layer or coating or film or metal or metallic or metallization)) not (((chip or substrate) same (reinforce or reinforcing or reinforcement or strengthen or strengthening)) same (back or backside or (back adj side) or rear) same (layer or coating or metal or metallic or metallization))) and (347/\$.ccls. or 428/\$.ccls. or 257/\$.ccls.) or (((((chip or substrate) with (reinforce or reinforcing or reinforcement or strengthen or strengthening)) with (back or backside or (back adj side) or rear) with (layer or coating)) and (347/\$.ccls. or 428/\$.ccls. or 257/\$.ccls.))) |
| 32 | BRS | 274471 | 347/\$.ccls. or 438/\$.ccls. or 257/\$.ccls. |
| 33 | BRS | 107 | (347/\$.ccls. or 438/\$.ccls. or 257/\$.ccls.) and (((chip or substrate) with (reinforce or reinforcing or reinforcement or strengthen or strengthening)) with (back or backside or (back adj side) or rear)) |

| | DBs | Time Stamp | Comments | Error Definition |
|----|---|-------------------|-----------------|-------------------------|
| 31 | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB | 2002/02/05 13:54 | | |
| 32 | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB | 2002/02/05 13:58 | | |
| 33 | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB | 2002/02/05 13:59 | | |

| | Type | Hits | Search Text |
|----|------|------|---|
| 34 | BRS | 35 | ((347/\$.ccls. or 438/\$.ccls. or 257/\$.ccls.) and (((chip or substrate) with (reinforce or reinforcing or reinforcement or strengthen or strengthening)) with (back or backside or (back adj side) or rear))) not ((347/\$.ccls. or 428/\$.ccls. or 257/\$.ccls.) and (((chip or substrate) with (reinforce or reinforcing or reinforcement or strengthen or strengthening)) with (back or backside or (back adj side) or rear))) |
| 35 | BRS | 234 | ((chip or substrate) with (reinforce or reinforcing or reinforcement or strengthen or strengthening)) with (back or backside or (back adj side) or rear) with (layer or film or coating or metal or metallic or metallization or metalization) |
| 36 | BRS | 48 | (347/\$.ccls. or 438/\$.ccls. or 257/\$.ccls.) and (((chip or substrate) with (reinforce or reinforcing or reinforcement or strengthen or strengthening)) with (back or backside or (back adj side) or rear) with (layer or film or coating or metal or metallic or metallization or metalization)) |
| 37 | BRS | 14 | ((347/\$.ccls. or 438/\$.ccls. or 257/\$.ccls.) and (((chip or substrate) with (reinforce or reinforcing or reinforcement or strengthen or strengthening)) with (back or backside or (back adj side) or rear) with (layer or film or coating or metal or metallic or metallization or metalization))) not ((347/\$.ccls. or 428/\$.ccls. or 257/\$.ccls.) and (((chip or substrate) with (reinforce or reinforcing or reinforcement or strengthen or strengthening)) with (back or backside or (back adj side) or rear))) |

| | DBs | Time Stamp | Comments | Error Definition |
|----|---|-------------------|-----------------|-------------------------|
| 34 | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB | 2002/02/05 14:00 | | |
| 35 | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB | 2002/02/05 14:07 | | |
| 36 | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB | 2002/02/05 14:03 | | |
| 37 | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB | 2002/02/05 14:03 | | |

| | Type | Hits | Search Text |
|----|------|--------|--|
| 38 | BRS | 425 | ((chip or substrate) with (reinforce or reinforcing or reinforcement or strengthen or strengthening)) same (back or backside or (back adj side) or rear) same (layer or film or coating or metal or metallic or metallization or metalization) |
| 39 | BRS | 119832 | 438/\$.ccls. |
| 40 | BRS | 40 | ((((chip or substrate) with (reinforce or reinforcing or reinforcement or strengthen or strengthening)) same (back or backside or (back adj side) or rear) same (layer or film or coating or metal or metallic or metallization or metalization)) and 438/\$.ccls. |
| 41 | BRS | 26 | ((((chip or substrate) with (reinforce or reinforcing or reinforcement or strengthen or strengthening)) same (back or backside or (back adj side) or rear) same (layer or film or coating or metal or metallic or metallization or metalization)) and 438/\$.ccls.) not (((347/\$.ccls. or 438/\$.ccls. or 257/\$.ccls.) and (((chip or substrate) with (reinforce or reinforcing or reinforcement or strengthen or strengthening)) with (back or backside or (back adj side) or rear) with (layer or film or coating or metal or metallic or metallization or metalization))) not ((347/\$.ccls. or 428/\$.ccls. or 257/\$.ccls.) and (((chip or substrate) with (reinforce or reinforcing or reinforcement or strengthen or strengthening)) with (back or backside or (back adj side) or rear)))) |

| | DBs | Time Stamp | Comments | Error Definition |
|----|---|-------------------|-----------------|-------------------------|
| 38 | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB | 2002/02/05 14:09 | | |
| 39 | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB | 2002/02/05 14:09 | | |
| 40 | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB | 2002/02/05 14:10 | | |
| 41 | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB | 2002/02/05 14:10 | | |

| | Type | Hits | Search Text |
|----|------|---------|--|
| 1 | BRS | 2 | jp-02087653-\$ did. |
| 2 | BRS | 1522 | (chip or substrate or die or board) with (reinforce or reinforcing or reinforcement or strengthen or strengthened or strengthening or stiffen or stiffener or stiffening or rigid or rigidity) with (metallic or metallization or metal) with (layer or coat or film) |
| 3 | BRS | 2586750 | back or backside or rear |
| 4 | BRS | 274471 | 347/\$.ccls. or 438/\$.CCLS. or 257/\$.ccls. |
| 5 | BRS | 247 | 438/928.cccls. |
| 6 | BRS | 56 | ((chip or substrate or die or board) with (reinforce or reinforcing or reinforcement or strengthen or strengthened or strengthening or stiffen or stiffener or stiffening or rigid or rigidity) with (metallic or metallization or metal) with (layer or coat or film)) with (back or backside or rear) |
| 7 | BRS | 9 | ((((chip or substrate or die or board) with (reinforce or reinforcing or reinforcement or strengthen or strengthened or strengthening or stiffen or stiffener or stiffening or rigid or rigidity) with (metallic or metallization or metal) with (layer or coat or film)) with (back or backside or rear)) and (347/\$.ccls. or 438/\$.CCLS. or 257/\$.ccls.)) |
| 8 | BRS | 159 | 347/56.cccls. |
| 9 | BRS | 16997 | (heater or heating or resistorr or resistiv or electrothermal) with thickness |
| 10 | BRS | 38 | 347/56.cccls. and ((heater or heating or resistorr or resistiv or electrothermal) with thickness) |

| | DBs | Time Stamp | Comments | Error Definition |
|----|---|-------------------|-----------------|-------------------------|
| 1 | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB | 2002/02/06 07:21 | | |
| 2 | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB | 2002/02/06 07:38 | | |
| 3 | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB | 2002/02/06 07:39 | | |
| 4 | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB | 2002/02/06 07:40 | | |
| 5 | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB | 2002/02/06 07:40 | | |
| 6 | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB | 2002/02/06 07:40 | | |
| 7 | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB | 2002/02/06 10:16 | | |
| 8 | USPAT | 2002/02/06 07:47 | | |
| 9 | USPAT | 2002/02/06 07:48 | | |
| 10 | USPAT | 2002/02/06 07:48 | | |